

### **ABSTRACT**

The invention provides an analytical device insusceptible to inactivation or other influences even when exposed to a thermal load or organic compounds contained in an adhesive in the process for manufacturing the same and, more over, allowing an immunological substance or the like to be readily immobilized at a site in the microchannel passage therein.

The analytical kit is a combination of the analytical device and a reagent or reagents. The analytical device used in the analytical kit comprises a passage 2, 1  $\mu\text{m}$ -5 mm width and 1  $\mu\text{m}$ -750  $\mu\text{m}$  depth in cross-section formed therein and belongs to the category of the so-called microfluidic systems suited for analyzing very small amounts of liquid samples; thus, it is suited for analyzing biological substances. The analytical device 1 to be used in the analytical kit is prepared by forming a groove not wider than 5 mm on a first member 5 and/or second member 6, immobilizing a nucleic acid(s) at a part (capturing zone 7) of a place to become the channel 2 after joining the two members together and joining the two members together. The reagent(s) is(are) used after joining of the two members of the analytical device 1 and therefore will not be influenced by the fusion or adhesive.